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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,938	10/19/2004	Goran Sundholm	U 015416-8	8709
140	7590	12/20/2005	EXAMINER	
LADAS & PARRY 26 WEST 61ST STREET NEW YORK, NY 10023			ALI, HYDER	
			ART UNIT	PAPER NUMBER
			3747	
DATE MAILED: 12/20/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/511,938

Applicant(s)

SUNDHOLM, GORAN

Examiner

HYDER ALI

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12, 14-22 and 24 is/are rejected.
- 7) ☒ Claim(s) 13 and 23 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 October 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 10/19/04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## **DETAILED ACTION**

### ***Specification***

This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-12,14-22,24 are rejected under 35 U.S.C. 102(b) as being anticipated by Cook (US 3,107,657).

Cook discloses a vaporizer for an internal combustion engine which supplies moisture laden air in quantities suitable and matched to the speed of the vehicle. An accelerator rod 12 has a one end fastened to the free end of the throttle arm 14 and has the other end pivotally connected to a conventional accelerator pedal. Intermediate the ends of the rod 12 is a pivotal connection 18 to one end of a lever 20. The other end of the lever 20 is slotted and carries in the slot 22 a pivotal connection 24 on one end of a piston rod 26. On the other end of the piston rod 26 is a piston valve 28 slidable in a tube 30 so as to open and close the egress opening of conduits 32,34,36. Conventional valves 38,40,42, control the flow of fluid through the conduits 32,34,36 respectively. The other ends of the conduits 32,34,36 remote from the egress openings are connected to a main conduit 44. The lever 20 pivots on a pivot pin 110 in response to pressure on the

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accelerator pedal 16 as the vehicle increases its speed. This results in drawing the piston valve 28 from its position closing the conduits 32,34,36 to a position progressively opening such conduits 32,34,36. The manifold 10, as is common with all internal combustion engines, creates a vacuum which is relieved by air flowing through the conduit 44 and through the conduits 32,34,36 and controlled by the valves 38,40,42 and by the sliding valve 28. When the valve 82 is in the position as shown in FIGURE 1, the passage 84 is open and the vacuum of the manifold 10 is applied to the interior of the tank 56. This results in drawing of water upwardly through the supply conduit 70 connected with the tank 56 and flow of the water through the conduits 62,64,66 and outwardly of the nozzle 68 into the interior of the tank 56. This atomized water or air carrying droplets of water is sucked upwardly through the conduit 44 into the manifold 10 where it is mixed with the fuel air mixture of the carburetor for burning in the internal combustion engine.

### ***Allowable Subject Matter***

Claims 13,23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The reference by Hobbs (US 5,125,366) discloses water introduction in internal combustion engine.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HYDER ALI whose telephone number is (571) 272-4836. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, HENRY YUEN can be reached on (571) 272-4856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Hyder ALI". The signature is written in a cursive, fluid style.

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